

(continued from outside back cover)

Air purification by gold catalysts supported on PET nonwoven fabric M. Ikegami, T. Matsumoto, Y. Kobayashi, Y. Jikihara, T. Nakayama, H. Ohashi, T. Honma, T. Takei and M. Haruta (Japan)	130
Low-temperature ultrasound-promoted synthesis of Cr-TiO ₂ -supported photocatalysts for valorization of glucose and phenol degradation from liquid phase J.C. Colmenares, A. Magdziarz, K. Kurzydowski, J. Grzonka, O. Chernyayeva and D. Lisovytskiy (Poland)	136
Au/carbon as Fenton-like catalysts for the oxidative degradation of bisphenol A X. Yang, P.-F. Tian, C. Zhang, Y.-q. Deng, J. Xu, J. Gong and Y.-F. Han (People's Republic of China)	145
Selective catalytic oxidation of ammonia to nitrogen over CuO-CeO ₂ mixed oxides prepared by surfactant-templated method Z. Wang, Z. Qu, X. Quan, Z. Li, H. Wang and R. Fan (China)	153
Inactivation of <i>Aspergillus niger</i> spores from indoor air by photocatalytic filters S. Pigeot-Remy, P. Real, F. Simonet, C. Hernandez, C. Vallet, J.C. Lazzaroni, S. Vacher and C. Guillard (France)	167
Thorn-ball shaped TiO ₂ nanostructures: Influence of Sn ²⁺ doping on the morphology and enhanced visible light photocatalytic activity K. Sridharan and T.J. Park (Republic of Korea)	174
Photoelectrocatalytic properties of Cu ²⁺ -doped TiO ₂ film under visible light M. Zhang, S. Yuan, Z. Wang, Y. Zhao and L. Shi (PR China)	185
Stoichiometric production of aminobenzenes and ketones by photocatalytic reduction of nitrobenzenes in secondary alcoholic suspension of titanium(IV) oxide under metal-free conditions K. Imamura, T. Yoshikawa, K. Hashimoto and H. Kominami (Japan)	193
Synchronical pollutant degradation and H ₂ production on a Ti ³⁺ -doped TiO ₂ visible photocatalyst with dominant (0 0 1) facets J. Wang, P. Zhang, X. Li, J. Zhu and H. Li (PR China)	198
Photocatalytic activity of TiO ₂ -SiO ₂ nanocomposites applied to buildings: Influence of particle size and loading L. Pinho and M.J. Mosquera (Spain)	205
Reductive removal of chloroacetic acids by catalytic hydrodechlorination over Pd/ZrO ₂ catalysts J. Zhou, Y. Han, W. Wang, Z. Xu, H. Wan, D. Yin, S. Zheng and D. Zhu (China)	222
On the role of the activation procedure of supported hydrotalcites for base catalyzed reactions: Glycerol to glycerol carbonate and self-condensation of acetone M.G. Álvarez, A.M. Frey, J.H. Bitter, A.M. Segarra, K.P. de Jong and F. Medina (Spain, The Netherlands)	231
Characterization and evaluation of Ni/SiO ₂ catalysts for hydrogen production and tar reduction from catalytic steam pyrolysis-reforming of refuse derived fuel P.H. Blanco, C. Wu, J.A. Onwudili and P.T. Williams (UK)	238
The influence of nonstoichiometry on LaMnO ₃ perovskite for catalytic NO oxidation J. Chen, M. Shen, X. Wang, G. Qi, J. Wang and W. Li (PR China, USA)	251
Hydrothermal activation of silver supported alumina catalysts prepared by sol-gel method: Application to the selective catalytic reduction (SCR) of NO _x by <i>n</i> -decane C. Petitto, H.P. Mutin and G. Delahay (France)	258
Catalytic reforming of activated sludge model compounds in supercritical water using nickel and ruthenium catalysts P. Azadi, E. Afif, H. Foroughi, T. Dai, F. Azadi and R. Farnood (Canada)	265
The influence of the Ti ⁴⁺ location on the formation of self-assembled nanocomposite systems based on TiO ₂ and Mg/Al-LDHs with photocatalytic properties E.M. Seftel, M. Mertens and P. Cool (Belgium)	274
A new heterojunction Ag ₃ PO ₄ /Cr-SrTiO ₃ photocatalyst towards efficient elimination of gaseous organic pollutants under visible light irradiation J. Guo, S. Ouyang, P. Li, Y. Zhang, T. Kako and J. Ye (Japan, PR China)	286
Preparation of p-n junction Cu ₂ O/BiVO ₄ heterogeneous nanostructures with enhanced visible-light photocatalytic activity W. Wang, X. Huang, S. Wu, Y. Zhou, L. Wang, H. Shi, Y. Liang and B. Zou (China)	293
From biomass to pure hydrogen: Electrochemical reforming of bio-ethanol in a PEM electrolyser A. Caravaca, A. de Lucas-Consuegra, A.B. Calcerrada, J. Lobato, J.L. Valverde and F. Dorado (Spain)	302
The effect of A-site substitution by Sr, Mg and Ce on the catalytic performance of LaMnO ₃ catalysts for the oxidation of vinyl chloride emission C. Zhang, W. Hua, C. Wang, Y. Guo, Y. Guo, G. Lu, A. Baylet and A. Giroir-Fendler (PR China, France)	310
Adsorption and catalytic thermolysis of gaseous urea on anatase TiO ₂ studied by HPLC analysis, DRIFT spectroscopy and DFT calculations A.M. Bernhard, I. Czekaj, M. Elsener and O. Kröcher (Switzerland)	316
Catalytic degradation of caffeine in aqueous solutions by cobalt-MCM41 activation of peroxymonosulfate F. Qi, W. Chu and B. Xu (Hong Kong, PR China)	324
Photocatalytic oxidation of propene in gas phase at low concentration by optimized TiO ₂ nanoparticles M. Ouzzine, M.A. Lillo-Ródenas and A. Linares-Solano (Spain)	333
A highly efficient process for transforming methyl mercaptan into hydrocarbons and H ₂ S on solid acid catalysts E. Huguet, B. Coq, R. Durand, C. Leroi, R. Cadours and V. Hulea (France)	344
Tailoring Cu valence and oxygen vacancy in Cu/TiO ₂ catalysts for enhanced CO ₂ photoreduction efficiency L. Liu, F. Gao, H. Zhao and Y. Li (USA, PR China)	349
Autothermal steam reforming of ethanol over La ₂ Ce _{2-x} Ru _x O ₇ (x = 0-0.35) catalyst for hydrogen production S.-F. Weng, Y.-H. Wang and C.-S. Lee (Taiwan)	359
Selective catalytic reduction of NO with NH ₃ over Cr-ZSM-5 catalysts: General characterization and catalysts screening F. Ayari, M. Mhamdi, J. Álvarez-Rodríguez, A.R.G. Ruiz, G. Delahay and A. Ghorbel (Tunisia, Spain, France)	367
Magnesia modified H-ZSM-5 as an efficient acidic catalyst for steam reforming of dimethyl ether X. Long, Q. Zhang, Z.-T. Liu, P. Qi, J. Lu and Z.-W. Liu (China)	381